

Securing the Future of our Coastline

Community Reference Group
Meeting 7: 6 July 2021



Government of South Australia
Department for Environment
and Water

Welcome and Introductions

- Acknowledgement of Traditional Owners
- Apologies
- COVID 19
- Meeting time – concludes not later than 8.30pm (unless agreed to by the members)

Meeting Protocols

- Respect the person who has the floor
- Respect different views – create a safe environment for everyone
- Participate and collaborate don't dominate
- Say what you mean, mean what you say
- Don't be personal in your views
- Have your say but don't go over old ground
- Acknowledge historical issues, but look for solutions / ways to move forward

Email protocols

- CRG member details have been updated on the TOR and distributed to members:
 - DEW to issue minutes and meeting arrangements
 - Ask questions of DEW
 - Suggest new agenda items
 - Seek clarifications from DEW about project matters
- Respect the work, advocacy and endeavour of all members
- There will be different views, opinions and interpretations about past events and future strategies
- The email distribution list is not the place to debate or try to resolve those differences

Meeting purpose

- Update the CRG on current project status.
- Provide an update on design progress for the new sand pumping system.
- Discuss questions submitted by CRG members since last meeting.
- Discuss DA process for pipeline and community engagement.

Item	Agenda	Lead
1	Welcome <ul style="list-style-type: none"> • Acknowledgement of Country • Housekeeping / Introductions 	Steve Dangerfield
2	Project updates <ul style="list-style-type: none"> • Interim sand Carting • External sand – West Beach • Semaphore South restoration 	James Guy
3	Draft pipeline design: <ul style="list-style-type: none"> • Draft Flora and fauna assessment • Phase 2 impact assessment outcomes summary • Pipeline design update • Q & A session 	Chris Gibson, EBS James Guy
4	Community Engagement – DA process	James Guy / Steve Dangerfield
5	Wrap up and Close – Next Steps	Steve Dangerfield / Cate Hart

2. Project Update

Securing the future of our coastline

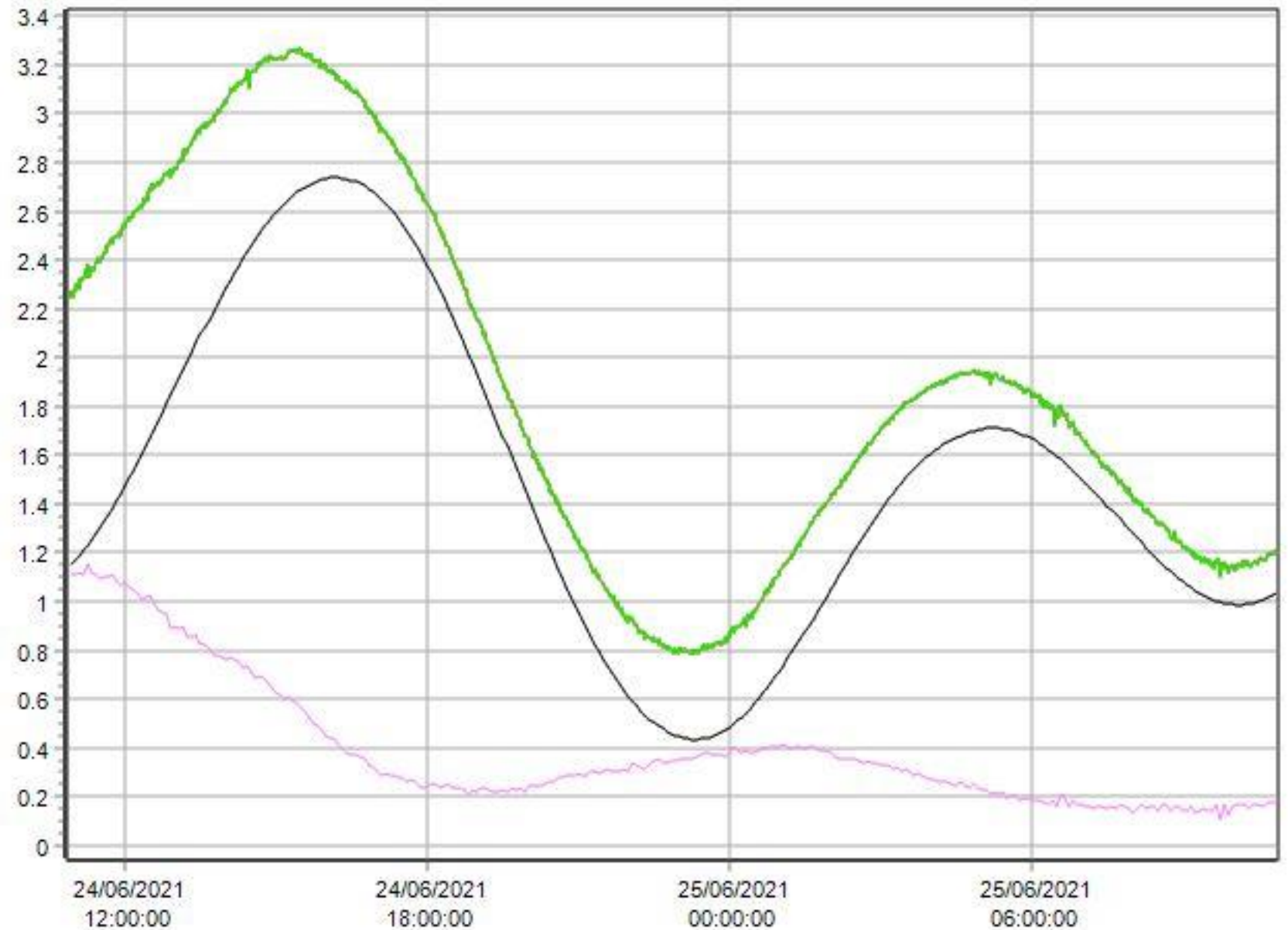
- 1) Immediate increase to replenishment of West Beach and Henley Beach South.
- 2) Add 500,000m³ of sand to West Beach from an external source.
- 3) Construct sand pumping system from Semaphore to West Beach.

Interim Replenishment

- Approximately 30,000m³ has been moved to date from Semaphore breakwater to West Beach (north of WBSLSC). Target is 34,000m³
- Started (5 July 2021) moving 20,000m³ from between Semaphore and Largs Bay jetties to West Beach.
- Remaining 36,000m³ to be finalised.

Outer Harbor Tide Gauge

24 June 2021



West Beach Parks
24 June 2021



West Beach Parks
25 June 2021



Rockingham Dunes
24 June 2021



Rockingham Dunes
25 June 2021



Henley Beach South
24 June 2021



Grange
(Terminus Street)
24 June 2021



Government of
South Australia
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Environment and Water

Semaphore Park
(Mirani Court)
24 June 2021



Semaphore South
24 June 2021



Semaphore South
25 June 2021



Semaphore Jetty
24 June 2021



Largs Bay Jetty
24 June 2021



Between Semaphore
and Largs Jetties
(Palais)
25 June 2021



Between Semaphore
and Largs Jetties
(Palais)
25 June 2021



Seacliff
24 June 2021



Seacliff
24 June 2021



External Sand

- Up to 250,000m³ of quarry sand will be delivered to West Beach by December 2021.
- Contract awarded for production and stockpiling of 50,000m³ at Mount Compass.
- Delivery scheduled to start late July early August 2021.
- Consultation with local stakeholders is ongoing.
 - e.g. West Beach and Henley Beach South Working Group.
 - West Beach Parks

3. Draft Pipeline design

Draft Flora and Fauna Assessment

- Chris Gibson, EBS Ecology

Draft Phase 2 Impact Assessment

In Scope

- Environmental: What are the actual impacts on beach in-fauna and bird and marine life.

Summarised page 44 - 45

- Social – e.g. loss of amenity due to disruption during sand collection activities? Timing of sand collection works.

Summarised page 46 -47

- Sea level rise.

Adaptable intake/outlets. External sources (Page 50)

Draft Phase 2 Impact Assessment

Not in scope

- Examination of seagrass restoration initiatives.
- Impacts of works on beach user numbers (and origins).
- Economic analysis of impacts on local businesses.
- Use of electric pumping systems and renewable sources.
- Review of community consultation processes.

Draft Phase 2 Impact Assessment

Not in scope

- Review/examination of alternative strategies.

e.g.

- Structures to slow erosion of sand from West Beach.
- Alternative methods of moving sand e.g. barges/ships.

Draft Recommendations

Sand pumping system:

- Extend pipeline north of Largs Bay jetty.
- Ensure pipeline alignment makes allowance for erosion.
- Make allowance for cumulative impacts of sand sourcing and placement.
- Provide multiple inlets and outlets. Small and frequent responses preferable.

Draft Recommendations

Monitoring:

- Monitor response to current sand movement works.
- Continue to add to existing profile data set (new techniques)
- Develop response “triggers” to guide management.
e.g. beach volumes, beach widths and/or dune locations.
- Investigate new survey technologies e.g. LiDAR, satellite imagery.
- Standardised analysis techniques.

Draft Recommendations

Other:

- Continue to investigate external sand sources.
- Further grain size analysis.

Still to come:

- Updated volume analysis Cells 3 to 7

Pipeline Design Update

Design continues to progress based on:

- Feedback from stakeholders (CRG, Council staff, Green Adelaide etc.)
- Second round of online mapping tool comments.
- Ground investigations and survey complete.
- Cultural heritage survey started.
- Service locations started.
- Public realm design work started.

Draft pipeline design - Q & A

- Henley Beach South: what are the exact locations of the pump station, outlet and pipe (under path or road)?
- Avoid the pipe passing through the dunes at the Torrens outlet.
- Is a pipeline bridge feasible across the Torrens outlet to minimise disturbance to beach nesting birds?
- Pipeline should go along the road or footpath as opposed to in the dunes - to protect bio-corridors in the long term.
- Avoid construction along the beach in summer (breeding season for beach nesting birds).

Draft pipeline design - Q & A

- Near Fort Glanville: the pipeline should be aligned along the coastal path rather than in dune vegetation.
- Suggestion to relocate the collection point and pump station at Semaphore South breakwater to the surf life saving club ramp.
- Concerns expressed regarding this option. Impacts on emergency access, surf club operations, caravan park amenity.
- What is the design life of the pipeline. What happens at the end of the design life?
- What are the pipeline wear rates? Microplastics?
- Is there one pipeline or two?

Draft pipeline design - Q & A

- Can the pipeline follow the toe of the dune for the majority of its length to avoid costs and challenges of the proposed alignment further inland?
- What do the inlets / outlets look like and how do they operate?
- What will the pump stations look like? What hours will they operate? What decibel constraints will apply?
- What is the width of the construction corridor?
- What principles have guided the Tonkin design process?
- Is directional drilling (as per the Torrens crossing) possible under the Coast Park Path and/or roads?

Draft pipeline design - Q & A

- Is the project on budget due to additional costs of using quarry sand?
- What are the ongoing annual maintenance costs?
- Are alternatives being considered such as barging sand from the Section Bank?
- Rockingham St appears to be the last discharge point. How will the beach further south and closer to the boat harbour be replenished?
- Is there any proposal to draw water from West Lakes as part of this project?
- Are offshore intakes being investigated?
- Are improvements to the discharge methodology being investigated?

Sand Pumping System – Next Steps

- Supporting investigations to be completed.
- Draft design finalised.
- Development Application (including supporting reports) in August 2021.
- Consideration of public submissions.
- Finalisation of designs.
- Construction starts late 2020 – early 2021.

4. Community Engagement

Community Engagement

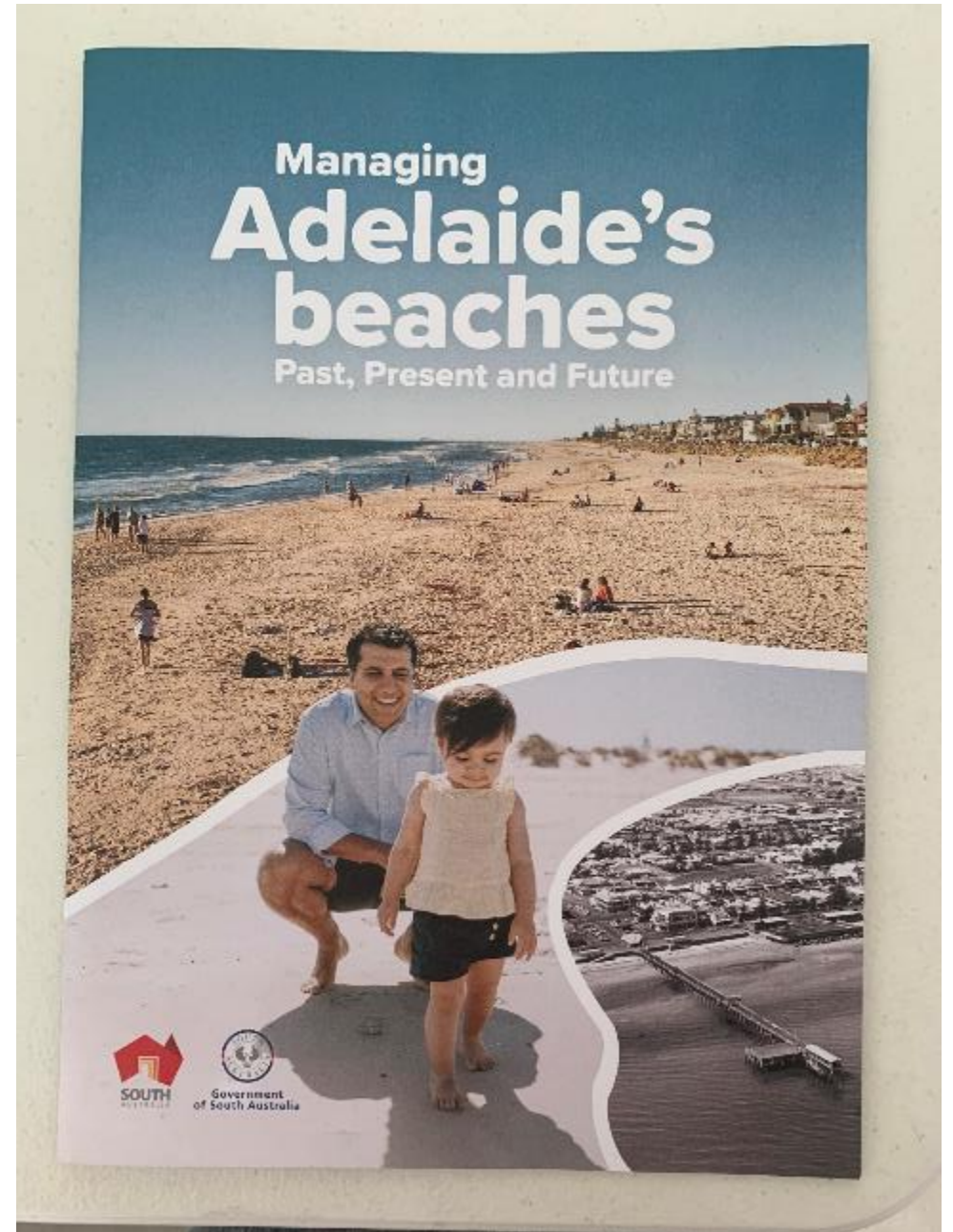
Development Application - engagement summary

- signs across key locations
- letterbox drops
- access to information via key councils
- 6 information sessions

(Largs, Semaphore, West Lakes Shore, Grange, Henley Beach & West Beach)

New booklet: Managing Adelaide's beaches Past, Present and Future

Please see Linda after the meeting for copies



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7. Wrap up and Close

Next Steps and Close

- Community information sessions.
- Development Application.
- Next CRG meeting date.